

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/03158

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C08F 120/32, 283/10; C08L 71/02, 79/02 US CL : 525/162, 187, 327. 3, 540 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 525/162, 187, 327. 3, 540 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 6,780,428 B2 (RANGER et al) 24 August 2004 (24.08.2004), col. 3, lines 43-45, col. 4, lines 45-46 and 57, col. 5, lines 19-42, col. 6, lines 31-59	1-3, 10-11 and 13
X	US 6,440,743 B1 (KABANOV et al) 27 August 2002 (27.08.2002), col. 3, line 55, col. 13, lines 40-54, col. 43, line 10	1-3, 13
X	US 6,288,197 B1 (YOUNGS et al) 11 September 2001 (11.09. 2001), col. 2, lines 46-67, col. 3, lines 1-28, col. 4, lines 24-67	1-3
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 05 May 2005 (05.05.2005)		Date of mailing of the international search report 12 MAY 2005
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer James Seidleck Telephone No. 703-308-0661 Jean Proctor Paralegal Specialist

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Continuation of B. FIELDS SEARCHED Item 3:

WEST: core-shell copolymer or dendrimer or hyperbranched copolymer; grafted; active terminal hydrogen or terminal hydroxyl group or terminal amine group, or terminal thiol adj group